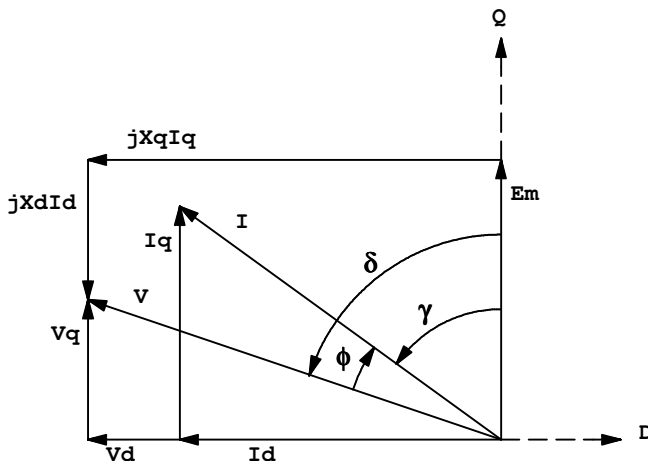


| | | | |
|------------------|-------------------|--|---------------------------|
| S.O. 0 | VOLTS 460 | TYPE IPM | STATOR RES.@ 25 °C .04394 |
| FRAME FL2882 | AMPS 136 | ENCLOSURE TEBC | OHMS (BETWEEN LINES) |
| HP 60 | DUTY CONT | MAX SAFE RPM 5000 | |
| BASE SPEED 1800 | S.F. 1.0 | WK ² (Lb-Ft ²) 8.84 | |
| PHASE/HERTZ 3/60 | AMB °C/INSUL 40/H | MAX INSTANTANEOUS OVERLOAD AMPS 408 | |

VARIABLE SPEED PERFORMANCE

| HP | AMPS (rms) | RPM | GAMMA* | POWER FACT. | EFF. | VOLTS (L-L) (rms) | Em (L-N) (rms) | Lq (mH) | Ld (mH) |
|--------------|------------|------|--------|-------------|------|-------------------|----------------|---------|---------|
| OpenCkt** | N/A | 1800 | 5.0 | N/A | N/A | N/A | 175 | N/A | N/A |
| OpenCkt, hot | N/A | 1800 | 5.0 | N/A | N/A | N/A | 157 | N/A | N/A |
| 25.9 | 34.0 | 1800 | 29.6 | 96.2 | 95.4 | 357 | 157 | 13.1 | 2.05 |
| 58.0 | 68.0 | 1800 | 36.7 | 93.6 | 96.0 | 409 | 157 | 9.60 | 2.00 |
| 90.6 | 102 | 1800 | 40.2 | 91.5 | 96.1 | 435 | 157 | 7.60 | 1.97 |
| 125 | 136 | 1800 | 43.7 | 89.7 | 95.9 | 460 | 157 | 6.70 | 1.93 |

Remarks: TYPICAL DATA
 CONSTANT TORQUE 0-1800 RPM, CONSTANT POWER 1800-3000 RPM
 200% OVERLOAD BELOW BASE SPEED TAPERED TO 100% AT 3000 RPM



*Gamma is the current angle relative to counter emf, defined to be positive when current leads counter emf.

Equivalently, Gamma is positive when Id is negative.

**Data at 25°C - all other data at rated temperature



| | |
|---------|---------|
| DR. BY | CD |
| CK. BY | RM |
| APP. BY | RM |
| DATE | 5/10/10 |

IPM MOTOR
PERFORMANCE DATA PM4056A
 ISSUE DATE 5/10/10

S.O. 0
 FRAME FL2882
 HP 60
 BASE SPEED 1800
 PHASE/HERTZ 3/60

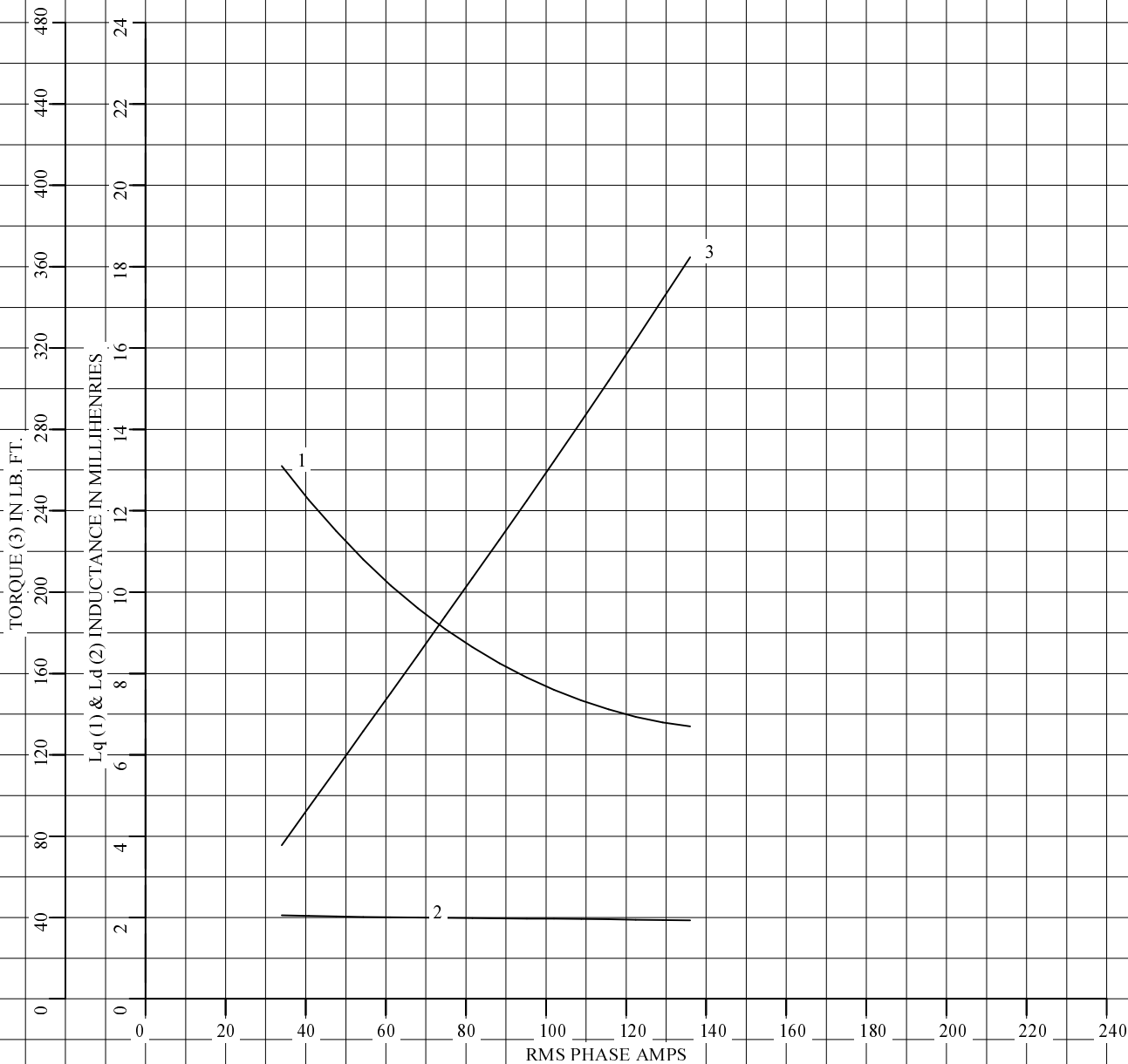
VOLTS 460
 AMPS 136
 DUTY CONT
 S.F. 1.0
 AMB °C/INSUL 40/H

TYPE IPM
 ENCLOSURE TEBC
 MAX SAFE RPM 5000
 WK² (Lb-Ft²) 8.84
 MAX INSTANTANEOUS OVERLOAD AMPS 408

STATOR RES. @ 25 °C .04394
 OHMS (BETWEEN LINES)

Lq, Ld, & Torque vs. RMS Phase Amps

CONSTANT TORQUE 0-1800 RPM, CONSTANT POWER 1800-3000 RPM
 200% OVERLOAD BELOW BASE SPEED TAPERED TO 100% AT 3000 RPM



REMARKS: TYPICAL DATA



DR. BY CD
 CK. BY RM
 APP. BY RM
 DATE 5/10/10

**IPM MOTOR
 PERFORMANCE
 DATA**

PM4056A

ISSUE DATE 5/10/10